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Training for Jointness

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Training for Jointness

Interoperability and jointness are the foundation of Network Centric Warfare and Cooperative Engagement Capability. “If you look at the latest national defense panel, they’re not simply talking about joint battle labs and joint acquisition. In the future, there will be an even greater push for increasing interoperability, and NPS will need to focus on that future,” said Rear Adm. Herbert Kaler, Deputy Director of the Joint Theater Air and Missile Defense Office and an NPS graduate.

Responding to this emphasis, the School has a growing number of curricula and research programs directly addressing DoD’s increased emphasis on joint interoperability and readiness. In June 1998, the NPS Program for Joint Education received full accreditation by the Process for Accreditation of Joint Education (PAJE). The School established the Institute for Joint Warfare Analysis (IJWA) to refocus research toward an interdisciplinary, joint approach, resulting in new research proposals such as “Joint SATCOM Architectures” and “Joint Combat ID Testbed Development.”

IJWA also designed a JPME Phase I accredited Joint Warfare Analysis curriculum to provide joint operational officers with the technical and analytical skills needed to integrate advanced technologies and forces under rapidly evolving conditions. Graduates better support the CINCs through their ability to use and understand new warfare technologies and integrate them into operational plans, campaigns, doctrine and training; orchestrate the tasking of intelligence, surveillance and reconnaissance systems; fully utilize the Global Command and Control System to generate shared battlespace knowledge; create and execute multi-mission, joint warfare architectures and campaigns; supervise the construction and operation of seamless information networks for use by warfighters; and devise effective combat ID and control measures for joint air defense.

Another NPS student, Capt. Matt Howell, USMC, researched how to upgrade the Marine Air Command and Control System to a joint full-battlefield-awareness air defense system compatible with the Global Command and Control System for controlling Marine Corps air defense assets and planning and coordinating sector air operations with those of other services.

Operations Research students are working on ways to improve the Joint Theater Level Simulation (JTLS). Professor Jan Breemer and his colleagues have created a web-based Joint Center for International Security Studies (JCISS), linking national security practitioners in the Pentagon and military services with those in academe. The School has a Center for Joint Services Electronic Warfare Simulation and Modeling, and two programs - Systems Engineering and Integration, and Information Systems and Operations - are being offered to meet the needs of URL officers. NPS will also be partnering with the Naval War College to offer PME to all Navy students at our command in Monterey.

Reinventing the Weapons Systems of the Future